

**Department of Environmental Quality – Notice of Bacteria TMDL
Modification of James River and Tributaries – Hopewell to Westover in
Chesterfield, Charles City, Prince George, and Hopewell, Virginia.**

The Department of Environmental Quality (DEQ) seeks public comment from interested persons on proposed minor modifications of the Total Maximum Daily Loads (TMDLs) developed for impaired segments: Powell Creek (G03R-05-BAC) and James River (tidal) (G03E-04-BAC).

A total maximum daily load of *E. coli* was developed to address the bacterial impairments in the waterways and counties mentioned above. This TMDL was approved by the Environmental Protection Agency on 07/10/2008. A modification (to remove an unnecessary WLA and add to future growth in James River segment) was approved on 7/7/2009. The report and previous modification are available by searching the approved TMDL reports page at <https://www.deq.virginia.gov/TMDLDataSearch/ReportSearch.aspx>. The Virginia Department of Environmental Quality (DEQ) seeks written comments from interested persons on 10 minor modifications.

Two modifications are proposed for the Powell Creek TMDL. The first is to add a domestic discharger (VAG404083), which is a single family home facility with a design flow of 0.001 million gallons per day (MGD). Facility VAG404083 discharges to an Un-named Tributary (UT) of Walls Run, which drains to Powells Creek and the tidal James River. Based on the design flow at the standard, this permit should have a waste load allocation (WLA) of 1.75E+09 colony forming units per year (cfu/yr) for *E. coli* in the Powell Creek TMDL. The second modification is to remove domestic discharger VAG404131 which is a single family home facility with a WLA of 1.75E+09 (cfu/yr) *E.coli* which is no longer in operation. The addition of one discharger and subtraction of another will equal a net change of 0% of the Powell Creek TMDL.

Eight modifications are proposed for the James River (tidal) TMDL. First, DEQ proposes to add a new WLA for existing facility Smurfit Stone Container Corporation (VA0004642), which is an industrial facility with a maximum discharge of 0.288 MGD (outfall 2). The WLA to be assigned to this facility based on the design flow at the standard is equal to 5.01E+11 (cfu/yr) *E. coli*. DEQ will allocate this WLA by subtracting from the “Future Growth” load of James River (tidal). For modifications 2-6, DEQ proposes to add five new WLAs for domestic dischargers VAG404083 (UT Walls Run), VAG404132 (Parish Hill Creek), VAG404199 (James River), VAG404270 (UT James River), and VAG404271 (UT James River), which are single family home facilities, each with a design flow each of 0.001 million gallons per day (MGD). The WLA to be assigned to each facility based on design flow at the standard is equal to 1.75E+09 (cfu/yr) *E. coli*. For modifications 7 and 8, DEQ proposes to remove the WLA assigned to two single family home permits; VAG404131 and VAG404215, which are no longer in operation. Their respective WLAs of 1.75E+09 (cfu/yr) *E.coli* (each) will be added to “Future Growth” load. The combined revised

“Future Growth” load in the James River (tidal) TMDL as a result of these modifications will be equal to $7.66\text{E}+14$ (cfu/yr) *E. coli*. The proposed modifications for the James River (tidal) TMDL are equal to 0.005% of the TMDL.

The proposed WLA changes above will neither cause nor contribute to the non-attainment of the James River basin. The public comment period for these modifications will end on November 10, 2011. Please send comments to Margaret Smigo, Department of Environmental Quality, Piedmont Regional Office, 4969-A Cox Road, Glen Allen, Virginia, 23060, or by email at Margaret.Smigo@deq.virginia.gov, or by fax (Attn. Margaret Smigo) at (804)527-5106. Following the comment period, a modification letter and any comments received will be sent to EPA for approval final approval. Please contact Margaret at (804)527-5124 with any questions.